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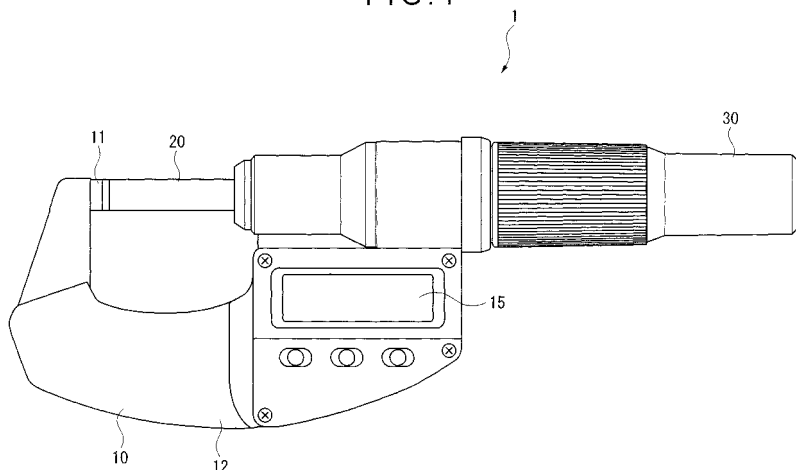
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(54) **Micrometer**

(57) A constant pressure mechanism (40) includes: a support shaft (41) including a shaft portion (411) that is provided on a base end of a spindle (20) coaxially with a center axis of the spindle (20) and inserted into a ratchet ring (33) of an operation section (30) and a head (412) of a diameter larger than the shaft portion (411) that is provided on a base end of the shaft portion (411); a ratchet claw (43) that is rotatable around a shaft (432) held by the head (412) and is provided with a sawtooth second

projection (434) to be engaged with a first projection (332) on a lateral side thereof, the ratchet claw (43) being disposed within the ratchet ring (33); and a biasing unit (44) that biases the ratchet claw (43) toward the first projection (332). Since the above-described members (41,43,44) are disposed in a space within the ratchet ring (33) orthogonal to the axial direction of the spindle (20), the constant pressure mechanism (40) can be shortened in length along the axial direction of the spindle (20), thereby reducing the size of the micrometer.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 09 16 1654

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			G01B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 June 2010	Examiner Malcoci, Andrei
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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